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|--------------------------|--------------------------------------|--------------------------------------|--|
| Interview Summary | Application No. 10/643,328 | Applicant(s) GUNARA ET AL. | |
| | Examiner Mark P. Francis | Art Unit 2193 | |

All participants (applicant, applicant's representative, PTO personnel):

(1) Mark P. Francis. (3) _____

(2) Michael Piper Reg. No. 39,800. (4) _____

Date of Interview: 13 July 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: _____

Claim(s) discussed: 13, 18, and 39.

Identification of prior art discussed: _____

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Incorporating the limitations concerning the direction of communication between the simulator and the software of claim 18 into the claims 13 and 39.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

FAX TRANSMITTAL COVER SHEET

CONLEY ROSE, P.C.
5700 Granite Parkway, Suite 330
Plano, Texas 75024-6616
Fax Number: (972) 731-2289
Telephone Number: (972) 731-2288

PLEASE DELIVER THE FOLLOWING PAGES IMMEDIATELY TO:

NAME: Examiner Mark P. Francis, Group Art Unit 2193
U.S. Patent and Trademark Office

FAX: 571 273 7956

FROM: Michael W. Piper

DATE: July 13, 2007

RE: U.S. Patent Application No. 10/643,328
Proposed Amendments for Entry as an Examiner's Amendment (13 pages)

REMARKS:

Total Number of Pages (Including This One): 14
OUR CLIENT/MATTER NO.: 4000-12100

YOUR REFERENCE NO.: Patent Application No. 10/643,328

**IF YOU DO NOT RECEIVE ALL THE PAGES,
PLEASE CALL 972-731-2288 AS SOON AS POSSIBLE**

This facsimile and the information it contains is intended to be a confidential communication only to the person or entity to whom it is addressed. If you have received this facsimile in error, please notify us by telephone at the above telephone number and return the original to this office by mail.

Atty Docket: IDF 2281 (4000-12100)

Patent

Listing of the Claims:

1-12. (Canceled)

13. (Currently Amended) A method of testing software, comprising:

providing the software;

providing a script to a test controller, wherein the script includes a plurality of messages

and each of the plurality of messages has a message component and a data

component, wherein the message component of each of the plurality of messages

includes an identification of one of a plurality of simulators, wherein the message

component of each of the plurality of messages includes a designation of a direction

of communication between the one of the plurality of simulators and the software,

and wherein the designation of the direction of communication for at least one of

the plurality of messages is an inbound direction;

communicating each of the plurality of messages in the script, by the test controller,

to the simulator identified in the message component of each of the plurality

of messages;

testing the software by the plurality of simulators performing the script, wherein each of the

plurality of simulators interact with the software in accordance with the messages

communicated by the test controller to simulate an application in communication

with the software; and

displaying a result of the testing.

14. (Canceled)

Atty Docket: IDF 2281 (4000-12100)***Patent***

15. (Previously Presented) The method of Claim 13, wherein the message component of each of the plurality of messages further includes an indication of the interaction that the identified simulator performs, wherein the interaction includes waiting to receive a response from the software or transmitting the data component of the message to the software.

16-17. (Canceled)

Atty Docket: IDF 2281 (4000-12100)

Patent

18. (Currently Amended) A system, having a processor, for testing software, comprising:

a test scenario that maintains a set of messages, each message having a script portion and a data portion;

a first simulator that executes the set of messages to simulate an application in communication with the software;

a test controller that obtains the set of messages from the test scenario and communicates the set of messages to the first simulator; and

a tool to develop the script portion of each message in the set of messages and provide the script portion of each message in the set of messages to the test scenario,

wherein the script portion of each message in the set of messages includes a designation of a direction of communication between the first simulator and the software,

wherein the designation of the direction of communication for a first message in the set of messages is an inbound direction, and

wherein the first simulator executes the first message by waiting to receive a response from the software and upon receiving the response from the software, the first simulator compares the response to an expected response included in the data portion of the first message and reports a result of the comparison to the test controller.

19-21. (Canceled)

22. (Currently Amended) The system of Claim 18, wherein the script portion of each of the set of messages further includes an identification of the first simulator.

Atty Docket: IDF 2281 (4000-12100)

Patent

23-24. (Canceled)

25. (Currently Amended) The system of Claim 18, wherein the script portion of a third message in the set of messages includes a delay between execution of, and

wherein the first simulator executes the third message by delaying execution between a message prior to the third message and a message subsequent to the third message in accordance with the delay.

26-30. (Canceled)

31. (Previously Presented) The system of Claim 18, further comprising:

a second simulator that executes a second set of messages to simulate a second application in communication with the software;

wherein the test scenario further maintains the second set of messages, each message having a script portion and a data portion and

wherein the test controller further obtains the second set of messages from the test scenario and communicates the second set of messages to the second simulator.

32-33. (Canceled)

34. (Previously Presented) The system of Claim 18, wherein the tool develops the set of messages as reusable objects.

Atty Docket: IDF 2281 (4000-12100)

Patent

35. (Previously Presented) The system of Claim 34, wherein the tool changes the order by which the set of messages are executed without modifying a content of the message.

36. (Previously Presented) The system of Claim 34, wherein the tool adjusts a position of one or more of the set of message in the test scenario and thereby changes the order by which the set of messages are executed.

37-38. (Canceled)

Atty Docket: IDF 2281 (4000-12100)

Patent

39. (Currently Amended) A system, having a processor, for testing software, comprising:

a test scenario that maintains a plurality of messages, each of the plurality of messages having a script portion and a data portion, wherein the script portion of each of the plurality of messages includes a designation of a direction of communication between a simulator and the software, and wherein the designation of the direction of communication for at least one of the plurality of messages is an inbound direction;

a first simulator to simulate ~~[[an]]~~ a first application in communication with the software;

a second simulator to simulate a second application in communication with the software;

**a test controller that obtains each of the plurality of messages from the test scenario and
communicate a first portion of the plurality of messages to the first simulator and
communicate a second portion of the plurality of messages to the second simulator;
and**

**a tool to develop the plurality of messages and provide the plurality of messages to the test
scenario in a manner such that the test controller promotes sequential execution of a
the first portion of the plurality of messages by the first simulator and concurrently
promotes sequential execution of the second portion of the plurality of messages by
the second simulator.**

40-44. (Canceled)

**45. (Currently Amended) The system of Claim 39[[44]], wherein the tool develops the script
portion of the plurality of messages.**

Atty Docket: IDF 2281 (4000-12100)

Patent

46. (Currently Amended) The system of Claim 39[[44]], wherein the script portion of each of the plurality of messages includes an identification of the first simulator or the second simulator.

47-48. (Canceled)

49. (Currently Amended) The system of Claim 39[[44]], wherein the script portion of one of the plurality of messages includes a delay between execution of a first message and a second message.

50. (Currently Amended) The system of Claim 39[[44]], wherein the tool develops the data portion of the message by associating a data object with the data portion of the message or by receiving test data.

51. (Currently Amended) The system of Claim 50, wherein the first simulator passes the test data to the software.

52. (Currently Amended) The system of Claim 50, wherein the first simulator compares the test data to data received from the software.

53. (Currently Amended) The system of Claim 39, wherein the plurality of messages each include an instruction component and wherein the first simulator receives the first portion of the plurality of messages from the test controller and executes the instruction component simulating the application in communication with the software.

Atty Docket: IDF 2281 (4000-12100)***Patent***

54. (Previously Presented) The system of Claim 39, wherein the tool develops the messages as reusable objects.

55. (Previously Presented) The system of Claim 54, wherein the tool changes the order by which the plurality of messages are executed without modifying a content of the messages.

56. (Previously Presented) The system of Claim 54, wherein the tool adjusts a position of one or more of the plurality of message in the test scenario and thereby changes an order by which the plurality of messages are executed.

57. (Previously Presented) The method of claim 15, wherein in response to receiving the response from the software, the identified simulator compares the response to the data component of the message and reports a result of the comparison to the test controller, wherein the result of the testing includes the result of the comparison.

58. (Previously Presented) The method of claim 13, wherein the plurality of simulators concurrently interact with the software to perform the script.

59. (Previously Presented) The method of claim 58, wherein the plurality of simulators synchronously interact with the software to perform the script.

Atty Docket: IDF 2281 (4000-12100)

Patent

60. (Previously Presented) The method of claim 58, wherein the plurality of simulators independently interact with the software to perform the script.

61 (Currently Amended). The system of claim 18, wherein the designation of the direction of communication for a second message in the set of messages is an outbound direction, and wherein the first simulator executes the second message by communicating the data portion of the second message to the first simulator.

62. (Currently Amended) The system of claim 31, wherein the test controller sequentially communicates each of the messages in the set of messages to the first simulator and sequentially communicates each of the messages in the second set of messages to the second simulator.

63. (Currently Amended) The system of claim 62, wherein the test controller communicates the set of messages to the first simulator concurrent with communicating the second set of messages to the second simulator.

64. (Currently Amended) The system of claim 63, wherein the first simulator and the second simulator independently execute the set of messages and the second set of messages respectively.

65. (Currently Amended) The system of claim 63, wherein the first simulator and the second simulator synchronously execute the set of messages and the second set of messages respectively.

Atty Docket: IDF 2281 (4000-12100)

Patent

66. (Previously Presented) The system of claim 31, wherein the script portion of each message in the second set of messages includes an identification of the second simulator.

67. (Previously Presented) The system of claim 31, wherein the script portion of each message in the second set of messages includes a designation of a direction of communication between the second simulator and the software, and wherein the designation of the direction of communication between the second simulator and the software is one of the inbound direction or an outbound direction.

68. (Currently Amended) The system of claim 67, wherein a first portion of the second set of messages designates the inbound direction and a second portion of the second set of messages designates the outbound direction, wherein the second simulator executes each of the first portion of the second set of messages by waiting to receive a response from the software and upon receiving the response from the software, the second simulator compares the response to an expected response included in the data portion of each of the first portion of the second set of messages and reports a result of the comparison to the test controller, and wherein the second simulator executes each of the second portion of the second set of messages by communicating the data portion of each of the second portion of the second set of messages to the first simulator.

Atty Docket: IDF 2281 (4000-12100)

Patent

69. (Currently Amended) The system of claim 39, wherein the first simulator and the second simulator independently execute the first portion of the plurality of messages and the second portion of the plurality of messages respectively.

70. (Currently Amended) The system of claim 39, wherein the first simulator and the second simulator synchronously execute the first portion of the plurality of messages and the second portion of the plurality of messages respectively.

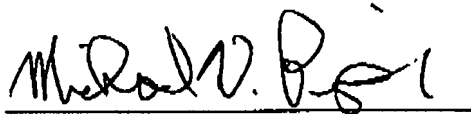
71. (Currently Amended) The system of claim 46, wherein first portion of the plurality of messages include the identification of the first simulator, and the second portion of the plurality of messages include the identification of the second simulator.

Atty Docket: IDF 2281 (4000-12100)**Patent****Conclusion**

Applicants respectfully submit that the present application is in condition for allowance for the reasons stated above. If the Examiner has any questions or comments or otherwise feels it would be helpful in expediting the application, he is encouraged to telephone the undersigned at (972) 731-2288.

The Commissioner is hereby authorized to charge payment of any further fees associated with any of the foregoing papers submitted herewith, or to credit any overpayment thereof, to Deposit Account No. 21-0765, Sprint.

Respectfully submitted,



Michael W. Piper
Reg. No. 39,800

ATTORNEY FOR APPLICANTS

Date: July 13, 2007

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